

TECHNICAL DATA

FT-9-Y4 EPOXY FUEL TANK COATING

September 2011

PRODUCT DESCRIPTION:

This two-component epoxy primer is intended for use in severe corrosion and aircraft fluid exposure areas. It is being tested to meet AMS-C-27725A, corrosion resistant integral fuel tank primer with Diethylene Glyco Mono Methyl Ether resistance.

SURFACE PREPARATION:

To insure proper adhesion, remove all surface corrosion, paint films, and any residues indicated by a lack of a water break free surface. Optimum adhesion and corrosion resistance results when applied over a chemically treated aluminum substrate (chromium acid or various pre-treatments such as Alodine 1200S and Alodine 1000), chemically cleaned and pre-treated or abrasive blast clean steel, or chemically treated titanium. This primer is also being tested for re-painting over BMS 10-39 type primer with minimal surface preparation.

MIXING / APPLICATION:

Mix thoroughly, 3 parts by volume of FT-9-Y4 to one part EH-46 hardener. Pot life is greater than 4 hours reduced 15-20% with SR-61 at 75°+/- 5°F. Allow the mixture to induct 30 minutes with moderate mixing before application. Apply a film thickness of 0.8 to 1.2 mils for optimum performance. The primer will dry tack free in 45-90 minutes depending on temperature. Mix FT-9-Y4 base thoroughly before mixing with EH-46. Reduce with SR-61 15-20% by volume before spraying.

Allow Primer to dry for 7 days before testing. If a faster dry time is required, you may air dry for 20 minutes, then 5 hours at 130°F.

PHYSICAL PROPERTIES:

Appearance:		Yellow
Admixed Viscosity:		20-30 sec. (#2Zahn)
Weight per gallon admixed:	a) Admixed	10.98±.2 lbs/gal
	b) Base (FT-9-Y4)	11.93±.2 lbs/gal
	c) Hardener (EH-46)	8.17±.2 lbs/gal
Volume Solids	a) Admixed	58.94%
	b) Base (FT-9-Y4)	56.51%
	c) Hardener (EH-46)	66.28%
Coverage @ 100% usage:		940-980 sq. ft./gal@1 mil dry film thickness
Fineness of grind:		5 Hegman +
VOC Admixed:		315 gms/liter or 2.57 lbs/gal

PRECAUTIONS:

See MSDS for complete details of composition and required precautions for safe use.

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